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Dr. Alan T. Waterman  
Director  
National Science Foundation  
Washington 25, D. C.

22 JUL 1959

Dear Alan:

In the various estimates and reports that the Central Intelligence Agency prepares on Soviet science, current estimates and projections of Soviet scientific and technical manpower graduations and employments are presented. Comparable data on the United States are required to provide a yardstick for evaluating the Soviet effort. In the past, satisfactory U. S. data have not been readily available and it has been necessary for our analysts to extrapolate old figures with informal guidance from personnel of the National Science Foundation and the Bureau of Labor Statistics.

It is, therefore, requested that the National Science Foundation supply the Agency with statistical data on U. S. scientific and technical professional manpower by annually providing current estimates and 10-year projections of U. S. scientific and technical professional graduations and employment, preferably in a form similar to that of Attachment A. [redacted] in our Office of Scientific Intelligence [redacted] is prepared to discuss this matter in detail with the National Science Foundation representatives.

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Sincerely,

**SIGNED**

Allen W. Dulles  
Director

Enclosure:  
Attachment A

(EXECUTIVE REGISTRY FILE *National Science Foundation*)

ORIGINATED BY:

Deputy Chief, Fundamental Science Div/SI \_\_\_\_\_ Date \_\_\_\_\_

CONCURRENCES:

Acting Assistant Director/SI \_\_\_\_\_ Date \_\_\_\_\_

[redacted] \_\_\_\_\_ Date \_\_\_\_\_  
17 JUL 1959  
Deputy Director/Intelligence \_\_\_\_\_ Date \_\_\_\_\_

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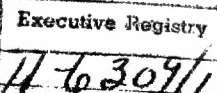
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ATTACHMENT A

Estimates of U.S. Scientific and  
Technical Professional Manpower

- I. Components of professional manpower and increments thereto:
  - A. Total, i.e., all college-level graduates employed at a level and in an activity appropriate to their training.
  - B. Research-development and college-level teaching.
  - C. Holders of Ph.D. degrees.
  - D. Awards of B.S., B.A., and first professional degrees.
  - E. Awards of Ph.D.-level degrees.
- II. Categories of professional manpower and increments:
  - A. Engineering.
  - B. Agriculture.
  - C. Health.
  - D. Physical sciences and mathematics.
  - E. Biological sciences.
  - F. All other fields (non-scientific-technical).

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17 JUL 1959

BRIEF FOR: Director of Central Intelligence

SUBJECT : Assistance from National Science Foundation

1. This memorandum is for your action as stated in paragraph 3.

2. In the various estimates (including contributions to NIE's) and reports that the Office of Scientific Intelligence prepares on Soviet science, current estimates and projections of Soviet scientific and technical manpower graduations and employment are presented. Comparable data on the United States are required to provide a yardstick for evaluating the Soviet effort. In the past, no satisfactory U. S. data have been available and it has been necessary for our analysts to extrapolate old figures, with informal guidance from personnel of the National Science Foundation and the Bureau of Labor Statistics.

3. A suggested letter is attached asking the National Science Foundation to supply the Agency with complete and up-to-date data on U. S. scientific and technical professional manpower.



Acting Assistant Director  
Scientific Intelligence

Enclosure:  
Letter to NSF (w/encl)

cc: DDCI  
DD/I

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